

CLAIMS

1. Apparatus for notifying administrators of selected events generated by an event service in a distributed computer system having a plurality of host computers, comprising:
 - a federated bean running in each host computer system, the federated bean including:
 - an event monitor that monitors the event service to detect events generated by the event service,
 - a category list of selected events and
 - a message generator that sends human-readable messages to the administrators when a detected event matches an event in the category list.
2. The apparatus of claim 1 wherein the message generator comprises a mechanism for composing and forwarding e-mail messages to the administrators.
3. The apparatus of claim 1 wherein the distributed computer system has a logging service that maintains a log of events generated by the event service and wherein the federated bean comprises a log monitor that periodically scans the log and controls the message generator to send human-readable messages to the administrators.
4. The apparatus of claim 1 wherein the category list comprises a plurality of categories, each of the categories having a list of users and a list of event topics associated therewith.
5. The apparatus of claim 4 wherein the category list has a list of log message topics associated therewith.

- 1 6. The apparatus of claim 1 wherein the federated bean comprises a configuration
2 notifier that generates configuration change events and forwards the generated
3 configuration change events to the event service when any changes are made to
4 the configuration list.
- 1 7. The apparatus of claim 6 wherein the federated bean further comprises a
2 configuration monitor that receives configuration change events from the event
3 service and updates the configuration list in response thereto.
- 4 8. The apparatus of claim 1 wherein the federated bean comprises a configuration
5 notifier operable during startup of the bean for requesting configuration
6 information from another federated bean in the distributed computer system.
- 7 9. The apparatus of claim 8 wherein the federated bean has an interface including a
8 method for receiving configuration information and the another federated bean
9 calls the method in order to transfer configuration information to the federated
10 bean.
- 1 10. A method for notifying administrators of selected events generated by an event
2 service in a distributed computer system having a plurality of host computers,
3 comprising:
4 (a) running in each host computer system, a federated bean that includes a
5 category list of selected events;
6 (b) using the federated bean to monitor the event service to detect events
7 generated by the event service; and
8 (c) using the federated bean to generate and send human-readable
9 messages to the administrators when a detected event matches an event
10 in the category list.

- 1 11. The method of claim 10 wherein step (c) comprises using the federated bean to
2 compose and forward e-mail messages to the administrators.
- 1 12. The method of claim 10 wherein the distributed computer system has a logging
2 service that maintains a log of events generated by the event service and
3 wherein the method further comprises:
4 (d) using the federated bean to periodically scan the log.
- 1 13. The method of claim 10 wherein the category list comprises a plurality of
2 categories, each of the categories having a list of users and a list of event topics
3 associated therewith.
- 1 14. The method of claim 13 wherein the category list has a list of log message topics
2 associated therewith.
- 1 15. The method of claim 10 further comprising:
2 (e) using the federated bean to generate configuration change events and to
3 forward the generated configuration change events to the event service
4 when any changes are made to the configuration list.
- 1 16. The method of claim 15 further comprising:
2 (f) using the federated bean to receive configuration change events from the
3 event service and to update the configuration list in response thereto.
- 1 17. The method of claim 10 further comprising:
2 (g) using the federated bean during startup of the bean to request
3 configuration information from another federated bean in the distributed
4 computer system.

1 18. The method of claim 17 wherein the federated bean has an interface including a
2 method for receiving configuration information and the method further comprises:
3 (h) using the other federated bean to call the method in order to transfer
4 configuration information to the federated bean.

1 19. A computer program product for notifying administrators of selected events
2 generated by an event service in a distributed computer system having a plurality
3 of host computers, the computer program product comprising a computer usable
4 medium having computer readable program code thereon, including:

5 federated bean program code that can be run in each host computer
6 system which maintains a category list of selected events;

7 program code that monitors the event service to detect events generated
8 by the event service; and

9 program code that generates and sends human-readable messages to the
10 administrators when a detected event matches an event in the category list.

11 20. The computer program product of claim 19 wherein the program code that
12 generates and sends human-readable messages to the administrators comprises
13 program code that composes and forwards e-mail messages to the
14 administrators.

1 21. The computer program product of claim 19 wherein the distributed computer
2 system has a logging service that maintains a log of events generated by the
3 event service and wherein the computer program product further comprises
4 program code that periodically scans the log and sends human-readable
5 messages to the administrators when selected log messages are present.

1 22. A computer data signal embodied in a carrier wave for notifying administrators of
2 selected events generated by an event service in a distributed computer system
3 having a plurality of host computers, the computer data signal comprising:
4 federated bean program code that can be run in each host computer
5 system which maintains a category list of selected events;
6 program code that monitors the event service to detect events generated
7 by the event service; and
8 program code that generates and sends human-readable messages to the
9 administrators when a detected event matches an event in the category list.

1 23. Apparatus for notifying administrators of selected events generated by an event
2 service in a distributed computer system having a plurality of host computers,
3 comprising:
4 federated bean means for maintaining a category list of selected events in
5 each host computer system:
6 means for monitoring the event service to detect events generated by the
7 event service; and
8 means for sending human-readable messages to the administrators when
9 a detected event matches an event in the category list.

1 24. The apparatus of claim 23 wherein the message sending means comprises
2 means for composing and forwarding e-mail messages to the administrators.

1 25. The apparatus of claim 23 wherein the distributed computer system has a
2 logging service that maintains a log of events generated by the event service and
3 wherein the federated bean means comprises means for periodically scanning
4 the log and controlling the message sending means to send human-readable
5 messages to the administrators.